*	Exit program, cancel call	23	Lock-out Count	
#	Save program	24	Alarm 0= disable 1= local beep for 60 seconds 2= disable system for 60 seconds with no beep 3= call directory (0-9)	
00	Change master code (0000 is default)	25	Keypad beep 0= disable (default) 1=enable	
01	Add new forwarding tenant's directory	26	Door beep 0= disable 1= enable (default)	
02	Edit existing tenant's directory	27	Talk time (060-240 second). Default=60 second	
03	Delete existing tenant's directory	28	Unlock relay1 time (12-99 second). Default= 12 second	
04	Clear all forwarding tenant's directory	29	Unlock relay2 time (12-99 second). Default= 12 second	
05	Enable/Disable Call	33	Temporary code	
06	New access code	34	Special code	
07	Delete access code	35	Temporary card	
08	Clear all access code	36	Special card	
09	Access code digit (4-8 digit). Default is 4-digit	38	System acknowledge (0-9). Default= 3	
10	Add new card	39	Remote access 0= disable 1=enable (default)	
11	Delete card	40	DTMF relay 1 (0-9). Default=9	
12	Clear all card	41	DTMF relay 2 (0-9). Default=8	
13	Set time	42	Relay 2 Mode 1= door control (default) 2= relay 2 trigger simultaneously as relay 1 3= enable if function code 24 is enable 4= turn relay 2 on and off On=7, Off=6	
14	Set date	43	DND: do not disturb time zone (0-9)	
15	Initializing event recording	44	Disable Time zone relay 1, 2 or both	
16	AUS= auto unlock schedule (0-9 schedule)	45	Relay 1 and 2 unlock timer	
17	TMZ= time zone. 20 TMZ, 00-20.	46	Firmware version	
18	HLD= holiday zone. 20 HLD, 1-20	47	Dialing Speed. 3= default setting. 1-9= 1 fastest dialing and 9 slowest dialing	
19	Directory digit (2-4 digit). Default is 2-digit			
20	AUXIN1 0= disable (default) 1= enable control by relay 1 open interval 2= relay 1 control by AuxIn2	48	PBX enable. Default= disable	
21	AUXIN2 0= disable (default) 1= enable control by relay 2 open interval 2= relay 2 control by AuxIn2	50	Erase the memory to factory default	
22	Do not disturb 0= disable (default), 1= enable	51	Edit Scrolling Welcome Screen	

PACH AND COMPANY INC.
SAN CLEMENTE, CALIFORNIA   888-678-7224   949-498-2951
QUANTUM QV SERIES

- 24 Months warranty for complete system
- 6 Months warranty for Printed Circuit Board

Log on to programming:
Press 0 # simultaneously then release, the welcome message will stop scrolling (repeat if screen still scrolling) enter 4-digit "**MASTER CODE**" (0000 is default), the screen will show as below:

Select Func: _ _

Select the "**Function Code**" from the table

OPERATION
Two ways to call tenant
1. Press 3 to scroll name from A-Z or 6 to scroll name from Z-A then press # to call name selected.
2. Press # wait for dial tone then press the directory number

   Opening the door remotely press 9 (relay 1) or 8 (relay 2)

Open the door with the access code press * (display screen will stop scrolling) then press a valid 4-digit access code.
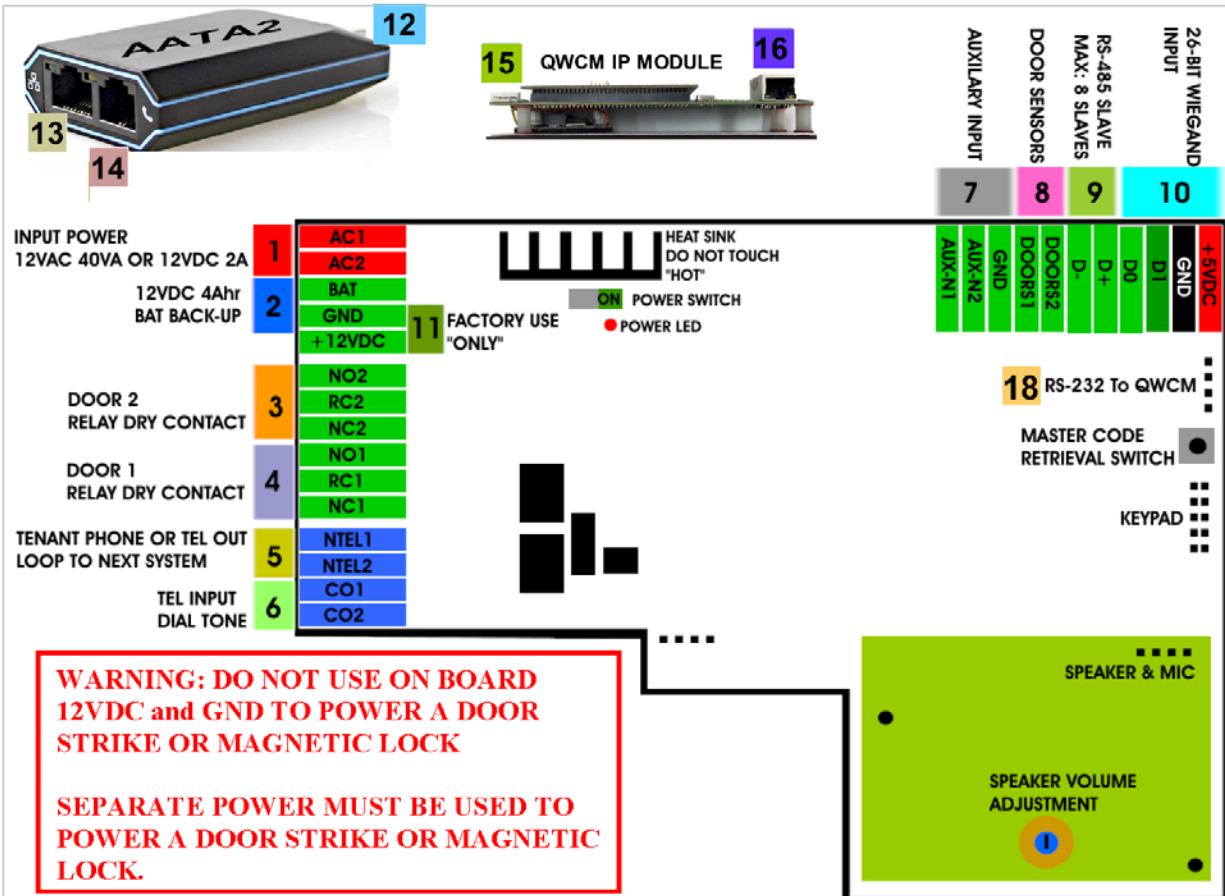
Extend talk time tenant must press # from the phone after the time out warning beep.

Call into the system:
1. Enable function code 39 and function code 38 must be set 1-9
2. Call the system phone number, hear one beep if the system answering the call.
3. Press # then 4-digit master code, hear one short beep
4. Press * to establish two way communication
5. Press 9 or 8 to release the door.

QWCM iP BROWSER DEFAULT IP
IP: 192.168.1.230
SUBNET: 255.255.255.0
GATEWAY: 192.168.1.1
DNS: 192.168.1.1
USERNAME: Administrator
PASSWORD: pach

AATA2 — 12, 13, 14

QWCM IP MODULE — 15, 16

AUXILARY INPUT — 7
DOOR SENSORS — 8
RS-485 SLAVE MAX: 8 SLAVES — 9
26-BIT WIEGAND INPUT — 10

AUX-N1 | AUX-N2 | GND | DOORS1 | DOORS2 | D- | D+ | D0 | D1 | GND | +5VDC

INPUT POWER 12VAC 40VA OR 12VDC 2A	1	AC1 / AC2
12VDC 4Ahr BAT BACK-UP	2	BAT / GND / +12VDC
DOOR 2 RELAY DRY CONTACT	3	NO2 / RC2 / NC2
DOOR 1 RELAY DRY CONTACT	4	NO1 / RC1 / NC1
TENANT PHONE OR TEL OUT LOOP TO NEXT SYSTEM	5	NTEL1 / NTEL2
TEL INPUT DIAL TONE	6	CO1 / CO2

HEAT SINK DO NOT TOUCH "HOT"

ON POWER SWITCH
POWER LED

11 FACTORY USE "ONLY"

18 RS-232 To QWCM

MASTER CODE RETRIEVAL SWITCH

KEYPAD

SPEAKER & MIC

SPEAKER VOLUME ADJUSTMENT

WARNING: DO NOT USE ON BOARD 12VDC and GND TO POWER A DOOR STRIKE OR MAGNETIC LOCK

SEPARATE POWER MUST BE USED TO POWER A DOOR STRIKE OR MAGNETIC LOCK.

1. **INPUT POWER** 12VAC 40VA SUPPLIED (voltage measurement must be (12.5-14.0 VAC) OR 12VDC 2A adjustable power supply (voltage measurement must be 13.5-14.0 VDC)

2. 12 VDC 4Ahr BATTERY BACK-UP (OPTIONAL) **WARNING:** THIS IS NOT INPUT POWER

3. DOOR 2 DRY CONTACT RELAY, MUST USE SEPARATE POWER FOR DOOR STRIKE

4. DOOR 1 DRY CONTACT RELAY, MUST USE SEPARATE POWER FOR DOOR STRIKE

5. TELEPHONE OUT LOOP TO NEXT QC SYSTEM, IF TELEPHONE LINE IS SHARED

6. TELEPHONE INPUT ANALOG DIAL TONE "ONLY"

7. AUX 1 AND AUX 2 FOR EXIT SWITCH, LOOP DETECTOR OR ANY INPUT DEVICE WITH DRY CONTACT OUTPUT.

8. DOORS1 AND DOORS 2 SENSOR. **WARNING:** THESE ARE NOT DOOR CONTACTS

9. RS-485 PORT, CONNECT TO SLAVE UNITS (USCR, UCRM, USKP AND USKPR) UP TO 8 UNITS

10. 26-WIEGAND INPUT. PROPRIETARY CARD READER IS BUILT-IN ON THE QC SERIES. DISCONNECT THE BUILT-IN READER IF YOU ARE USING YOUR OWN CARD READER.

11. FACTORY USE "ONLY" TO POWER THE QWCM IP MODULE AND FAN. **WARNING:** "DO NOT USE THE +12VDC POWER TO POWER ANY OTHER DEVICES".

12. AATA2 INPUT POWER (SUPPLIED, CONNECT USB TO PC FOR ACTIVATION)

13. AATA2 **INTERNET** CONNECT TO A ROUTER OR A SWITCH

14. AATA2 **RJ11 TELEPHONE DIAL TONE** CONNECT TO CO1 and CO2

15. QWCM **POWER AND COMMUNICATION** CONNECT TO (#11 12VDC POWER) AND (#18 RS-232). **DO NOT UPLUG THIS CONNECTOR WITH POWER ON** FACTORY PREWIRED

16. QWCM **ETHERNET PORT** CONECT a router or a Switch

17. RS-232 CONNECT TO (#16 ON QWCM) FACTORY PREWIRED

Technical Support is available Monday-Friday 7:00 am-4:00 pm PST 949-498-2951